

Title (en)
Chip for ball-pointed pen

Title (de)
Chip für Kugelschreiber

Title (fr)
Pièce pour stylo à bille

Publication
EP 1147923 A1 20011024 (EN)

Application
EP 01100545 A 20010110

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Abstract (en)
The present invention's purpose is to provide a high quality chip for a ball-pointed pen in which air bubbles are not left in the centrifugal separating processing when the refill is manufactured. There is provided a chip for a ball-pointed pen in which a transfer ball 1 held in a ball house 11 at the extremity end in a holder 10 is biased from a rear part by a resilient member 20, wherein the resilient member 20 is received at its rear end by a plurality of small projections 13a integrally arranged in a circumferential direction at an inner circumferential surface of the metallic holder 10, thereby when deaeration is performed in the centrifugal separating processing at the manufacturing stage of refill, some air bubbles within the holder 10 are passed between the plurality of small projections 13a, 13a and moved smoothly in a rearward direction. <IMAGE>

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B43K 1/08

IPC 8 full level
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Citation (search report)
• [X] WO 9938710 A1 19990805 - PREMEC SA [CH], et al
• [A] EP 0621141 A1 19941026 - SAILOR PEN CO LTD [JP]
• [A] FR 2729966 A1 19960802 - MITSUBISHI PENCIL CO [JP]

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